

Abarna_day19

```
#include <stdio.h>
#include <math.h>

int main()
{
    int num, Originalnum, remainder ,n =0,result=0;
    printf("Enter a number:");
    scanf("%d",&num);
    Originalnum=num;
    while(Originalnum!=0)
    {
        Originalnum/=10;
        ++n;
    }
    Originalnum=num;
    while(Originalnum!=0)
    {
        remainder=Originalnum%10;
        result+=pow(remainder,n);
        Originalnum/=10;
    }

    if(result==num)
        printf("Armstrong number");
    else
        printf("Not an Armstrong number");

    return 0;
}
```